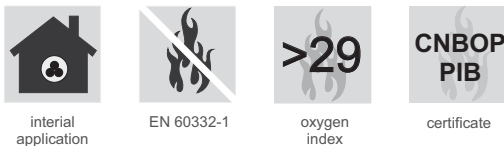


YnTKSY Fire alarm cables for fixed installations



Technical data:

Operating temperature: -40°C to 70°C
Min. installation temperature: -5°C
Operating voltage: 150V
Test voltage:
 AC 1500 V
 DC 2250 V
Insulation resistance: >200MΩxkm
Conductor resistance (at 20°C):
 0,8mm: 37,5Ω/km
 1mm: 24Ω/km
Conductor capacitance:
 Max. 120nF/km
 Average 100nF/km
Inductance: ca.0,7mH/km
Min. bending radius: 10xØ

Construction:

Conductors: solid copper conductor, class 1
Insulation: special PVC
Core colours: acc. PN-92/T-90320 (90321)
Core arrangement: cores twisted in pairs, pairs twisted together
Outer sheath: special PVC, highly flame retardant and self-extinguishing
 EN 60332-1, EN 60332-3-24, IEC 60332-3, cat. C, oxygen index >29
Outer sheath colour: red

Application:

Special cables for connections of telephone switchboards and data transmission devices, using analogue and digital signals for control and fire alarm installations. Cables are used mainly as transmission lines and power line for fire alarm systems' devices (sensors, linear modules) and for autonomous fire fighting control systems and smoke extraction systems. Cables are suitable for installations used at the „0” moment of fire detection (moment of fire detection by the fire detection centre). Cables are intended for transmission of signal to auxiliary devices, which in case of fire detection are run by the central fire alarm (power cut-off, bringing down the lifts/elevators, ventilation cut-off). Cables classified according to **EN 50575 (CPR)**.

Core colours:

Pair no.	Cores colours	
	a	b
1	white	blue
2		orange
3		green
4		brown
5		grey
6	red	blue
7		orange
8		green
9		brown
10		grey

YnTKSY

Fire alarm cables for fixed installations

Cat no.	nx2xmm	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
TN0001	1x2x0,8	4,0	22	9,7
TN0002	1x4x0,8	4,6	35	19,3
TN0003	2x2x0,8	4,9	36	19,3
TN0004	3x2x0,8	6,5	55	29,0
TN0005	4x2x0,8	7,2	70	38,6
TN0006	5x2x0,8	7,7	83	48,3
TN0009	6x2x0,8	8,1	100	57,9
TN0405	7x2x0,8	9,1	116	67,6
TN0402	10x2x0,8	10,4	161	96,5
TN0007	1x2x1,0	4,6	30	15,1
TN0013	1x4x1,0	7,1	59	30,2
TN0008	2x2x1,0	5,8	54	30,2
TN0010	3x2x1,0	8,0	83	45,3
TN0014	4x2x1,0	9,3	109	60,3
TN0404	5x2x1,0	10,4	140	75,4
TN0015	7x2x1,0	11,5	180	105,6
TN0016	10x2x1,0	13,6	250	150,8
TN0017	12x2x1,0	14,7	295	180,9
TN0018	14x2x1,0	16,0	340	211,1
TN0019	1x2x1,4	6,3	56	29,6
TN0020	1x4x1,4	7,3	96	59,1
TN0021	2x2x1,4	9,4	107	59,1
TN0022	3x2x1,4	10,3	150	88,7
TN0023	4x2x1,4	12,2	195	118,2
TN0024	5x2x1,4	13,4	235	147,8
TN0025	7x2x1,4	14,8	315	206,8
TN0026	10x2x1,4	17,8	450	295,5
TN0027	1x2x1,5mm ²	6,3	56	29,6
TN0028	1x4x1,5mm ²	7,3	96	59,1
TN0029	2x2x1,5mm ²	9,4	107	59,1
TN0030	3x2x1,5mm ²	10,3	150	88,7
TN0031	4x2x1,5mm ²	12,2	195	118,2
TN0032	5x2x1,5mm ²	13,4	235	147,8
TN0033	7x2x1,5mm ²	14,8	315	206,8
TN0034	10x2x1,5mm ²	17,8	450	295,5
TN0035	1x2x1,8	7,5	82	48,9
TN0036	1x4x1,8	8,9	147	97,7
TN0037	2x2x1,8	11,2	160	97,7
TN0038	3x2x1,8	12,6	225	146,5
TN0039	4x2x1,8	14,7	290	195,4
TN0040	5x2x1,8	16,2	355	244,2
TN0041	7x2x1,8	18,3	495	341,9
TN0042	10x2x1,8	21,6	680	488,4
TN0043	1x2x2,3	8,9	122	79,8
TN0044	1x4x2,3	10,4	217	159,5
TN0045	2x2x2,3	13,3	235	159,5
TN0046	3x2x2,3	14,7	330	239,2
TN0047	4x2x2,3	17,6	450	319,0
TN0048	5x2x2,3	19,4	550	398,7
TN0049	7x2x2,3	21,5	740	558,2
TN0050	10x2x2,3	25,8	1050	797,4
TN0051	1x2x2,8	10,1	168	118,2
TN0052	1x4x2,8	12,0	310	236,4
TN0053	2x2x2,8	15,2	325	236,4
TN0054	3x2x2,8	16,9	465	354,5
TN0055	4x2x2,8	20,2	625	472,7
TN0056	5x2x2,8	22,3	765	590,9
TN0057	7x2x2,8	25,2	1060	827,2
TN0058	10x2x2,8	30,1	1510	1181,7

Cable Factory BITNER reserves the right to modify the specifications without prior notice